

## **ABSTRACT OF THE DISCLOSURE**

Improved mechanical structure for increased efficiency in the transfer of the peddling force applied to a pedal crank assembly to the rear wheel of a bicycle is disclosed. This structure increases efficiency by decreasing the loss of exerted energy when peddling at dead spots, which dead spots are the common terminology used to refer to when the legs are either at down-stroke and up-stroke positions.

Patentimprovedmechanismcorrected.doc